

REMARKS

Claims 1-23 remain pending in the application.

The Applicants respectfully request that the Examiner reconsider earlier rejections in light of the following remarks. No new issues are raised nor is further search required as a result of the remarks made herein. Entry of the Response is respectfully requested.

Claims 1-7, 11-19, 22 and 23 over Ramasubramani, Barzegar and Official Notice, and claims 8-10, 20 and 21 variously in further view of Callon, Boyle, Kung and Boyle2

In the Office Action, claims 1-7, 11-19, 22 and 23 were rejected under 35 U.S.C. §103(a) as allegedly being obvious over U.S. Patent No. 6,507,589 to Ramasubramani et al. ("Ramasubramani") in view of U.S. Patent No. 5,894,478 to Barzegar et al. ("Barzegar"), and in further view of Official Notice; claims 8 and 20 were rejected under 35 U.S.C. §103(a) as allegedly being obvious over Ramasubramani in view of U.S. Patent No. 5,251,205 to Callon et al. ("Callon") and U.S. Patent No. 6,119,167 to Boyle et al. ("Boyle"), and further in view of U.S. Patent No. 5,894,478 to Barzegar et al. ("Barzegar"); claim 9 was rejected under 35 U.S.C. §103(a) as allegedly being obvious over Ramasubramani in view of Callon, and further in view of U.S. Patent No. 6,826,173 to Kung et al. ("Kung"); and claims 10 and 21 were rejected under 35 U.S.C. §103(a) as allegedly being obvious over Ramasubramani, Callon, and further in view of U.S. Patent No. 6,138,158 to Boyle et al. ("Boyle2"). The Applicants respectfully traverse the rejections

Claims 1-23 recite, *inter alia*, registering at least one registered message router in a table, with at least one protocol gateway managing a network connection with the at least one registered message router.

Thus, claims 1-23 recite a protocol gateway that is able to manage a network connection with a registered message router. All protocol gateways that are disclosed in the cited art fail to disclose, teach, or suggest such features.

The Examiner alleges that Ramasubramani discloses "at least one protocol gateway (Column 5, lines 42-48; Column 15, lines 1-12) to manage a

connection with a network (Column 9, lines 26-30)." But claims 1-23 require at least one protocol gateway managing a network connection **with** the at least one registered message router. The cited art and the Official Notice fail to disclose, teach or suggest such features, as discussed below.

Ramasubramani discloses airlinks that manage sending and receiving of information with a gateway at col. 11, lines 7-9, management of SMSC units at col. 12, lines 10-14, and a dispatcher within a gateway that manages various agents and messenger processes **within** the gateway at col. 21, lines 40-42. Ramasubramani fails to disclose a protocol gateway managing a network connection with any other device, much less at least one protocol gateway managing a network connection **with** the at least one registered message router, as recited by claims 1-23.

The Examiner acknowledges that Ramasubramani fails to disclose a registered message router. (see Office Action, page 3) The Examiner alleges that "Barzegar teaches a system with a protocol gateways that establish connections through a message router (Column 3, lines 56-58)". (see Office Action, page 3)

Barzegar at col. 3, lines 56-58 discloses:

All messages received by the router are authenticated by monitoring a user identification (ID) and a source network address in the data message.

Barzegar at col. 3, lines 56-68 discloses a router. However, Applicants' claims are directed toward a message router that is registered in a table. Barzegar fails to disclose that his router is registered in a table, much less at least one protocol gateway managing a network connection **with** the at least one registered message router, as recited by claims 1-23.

Barzegar mentions registration at col. 5, line 13. However, Barzegar discloses registration of a wireless device – not a router, much less at least one protocol gateway managing a network connection with at least one registered message router, as claimed.

The Examiner alleged that it would have been obvious to "use Barzegar's teaching of message authentication to increase the security of the

system and prevent unauthorized requests." (see Office Action, page 3) Barzegar discloses such benefits from message authentication by monitoring a user ID and a source network address in the data message. This does not teach registering a message router in a table, much less at least one protocol gateway managing a network connection with the at least one registered message router, as claimed.

The Examiner takes Official Notice that registering message routers in networks such as the internet (Ramasubramani) and LANs (Barzegar) and adding routers to forwarding or routing tables was well known in the art at the time of the invention was made and used to authorize the network device and determine network topology for network routing. (see Office Action, page 3)

The Examiner's Office Notice still fails to disclose at least one protocol gateway managing a network connection with at least one registered message router, as claimed by claims 1-23.

Callon, Boyle, Kung and Boyle2 are relied on to allegedly disclose various features of dependent claims 8-10, 20 and 21. However, a thorough reading reveals that they also fail to disclose, teach or suggest registering a registered message router in a table, with at least one protocol gateway managing a network connection with the at least one registered message router, as recited by claims 1-23.

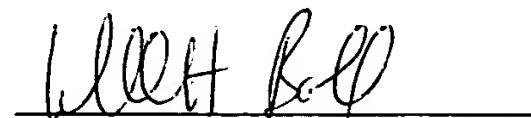
Ramasubramani, Barzegar, Official Notice, Callon, Boyle, Kung and Boyle2, either alone or in combination, fail to disclose, teach or suggest registering a registered message router in a table, and at least one protocol gateway managing a network connection with the at least one registered message router, as recited by claims 1-23.

Accordingly, for at least all the above reasons, claims 1-23 are patentable over the prior art of record. It is therefore respectfully requested that the rejection be withdrawn.

Conclusion

All objections and rejections having been addressed, it is respectfully submitted that the subject application is in condition for allowance and a Notice to that effect is earnestly solicited.

Respectfully submitted,



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